



3M 8100 Coiled Vinyl Mat Technical Data

Product Description:

- **Material:** Nonwoven continuous vinyl filaments
- **Backing:** Unbacked
- **Standard Sizes (Heat Embossed short sides):** 3' x 5', 4' x 6', Black, Gray, Brown
- **Standard Sizes (No Edging):** 3' x 20', 4' x 20' Gray only
- **Roll Sizes:** 3' x 60', 4' x 60'
- **Custom Sizes:** 3' and 4' widths by custom lengths to 60'
- **Size Tolerance:** ±2% on length and width

Criteria	Test	Result
Overall Weight	ISO 8543	131.54 oz/yd ²
Overall Thickness	ISO 1776	11/16"
Flammability	NFPA 253	0.7 watts/cm ²
Surface Flammability	ASTM D2859 CPSC FF 1-70	Passes
Smoke Density	ASTM E662	Pass
Electrostatic Propensity	AATCC 134	Step: 1 kV; Scuff: 2.13 kV
Dielectric Strength	ASTM D149	12 kV
Volume Resistivity	ASTM D257	7.2 x 10 ¹⁰ ohms-cm
Chemical Resistance	AATCC 134 Water, 10% salt water, chlorinated water, tri-sodium phosphate, 5% detergent solution, 24% sulfuric acid, 10% hydrochloric acid, sodium hydroxide, motor oil, transmission fluid	Excellent
Chemical Resistance	AATCC 134 Peanut oil, cooking oil, ethyl alcohol, hexane, mineral spirits, gasoline, 25% acetic acid, brake fluid	Good
Chemical Resistance	AATCC 134 Methylene chloride	Poor